Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/13/2018 10:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125440	0	1.38	125362	1.33
Blue	F	SSC	125000	124293	-1	3.02	124663	2.85
Blue	E	FITC	23615	22888	-4	2.47	1022	10.51
Blue	D	PE	26739	26456	-2	2.09	951	10.04
Blue	B	PerCP-Cy5-5	48339	47922	-1	3.45	1374	17.37
Blue	A	PE-Cy7	45021	44326	-2	5.14	680	36.85
Red	C	APC	53064	52283	-2	2.88	2995	9.65
Red	A	APC-Cy7	57175	56697	-1	2.86	1180	11.29
Violet	B	V450	14728	14174	-4	5.88	680	10.04
Violet	A	V500	58621	57389	-3	5.70	2536	7.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19692	2.02	610	-4	N/A	N/A	Pass
Blue	F	SSC	61678	1.53	555	9	N/A	N/A	Pass
Blue	E	FITC	114	40.12	547	-1	0.0197	169	Pass
Blue	D	PE	208	30.61	538	2	0.1602	294	Pass
Blue	B	PerCP-Cy5-5	213	46.62	637	2	0.0096	102	Pass
Blue	A	PE-Cy7	72	126.30	694	1	0.0111	16	Pass
Red	C	APC	345	28.05	599	2	0.0196	43	Pass
Red	A	APC-Cy7	129	41.41	582	2	0.0055	1840	Pass
Violet	B	V450	82	43.04	469	-1	0.0454	1948	Pass
Violet	A	V500	185	23.41	496	-1	0.0161	778	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.74	-31.46	0.89
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	18.35	14.40 - 21.60	N/A	N/A	31.40	31.62	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10569

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments